

Title (en)
ULTRAVIOLET ABSORBER COMPOSITION WITH IMPROVED HEAT RESISTANCE AND SYNTHETIC RESIN COMPOSITION CONTAINING THE SAME

Title (de)
UV-ABSORBIERENDE ZUSAMMENSETZUNG MIT ERHÖHTER HITZEBESTÄNDIGKEIT UND SYNTHETISCHE HARZZUSAMMENSETZUNG DAMIT

Title (fr)
COMPOSITION ABSORBANT LES ULTRAVIOLETS AYANT UNE RÉSISTANCE AMÉLIORÉE À LA CHALEUR ET COMPOSITION DE RÉSINE SYNTHÉTIQUE LA CONTENANT

Publication
EP 2399952 A4 20150408 (EN)

Application
EP 10743631 A 20100201

Priority
• JP 2010051326 W 20100201
• JP 2009035774 A 20090218

Abstract (en)
[origin: US2011272648A1] A synthetic resin composition is obtained by mixing, to 100 parts by mass of a synthetic resin, 0.001-10 parts by mass of a triazine-based compound represented by general formula (1), 0.001-10 parts by mass of a diaryl pentaerythritol diphosphite compound represented by general formula (2), and/or 0.001-10 parts by mass of an organic cyclic phosphite compound represented by general formula (3), and/or 0.001-10 parts by mass of a hindered phenolic compound represented by general formula (4). (In formula (1), R1 represents an alkyl group having 1-12 carbon atoms, R2 represents an alkyl group having 1-8 carbon atoms, R3 represents a hydroxy group, and R4 represents —O—R1. In formula (2), R5 represents an alkyl group having 1-4 carbon atoms. In formula (3), R5 and R8 represent an alkyl group having 1-4 carbon atoms, and R7 represents an alkyl group having 1-18 carbon atoms. In formula (4), R9 represents a residue obtained by removing n hydroxyl groups from a monovalent to tetravalent alcohol, and n represents an integer 1-4.)

IPC 8 full level
C08K 5/3492 (2006.01); **C08K 5/134** (2006.01); **C08K 5/527** (2006.01); **C08L 101/00** (2006.01); **C09K 3/00** (2006.01); **G02B 1/04** (2006.01)

CPC (source: EP KR US)
C08K 5/134 (2013.01 - KR); **C08K 5/1345** (2013.01 - EP US); **C08K 5/3492** (2013.01 - EP KR US); **C08K 5/527** (2013.01 - EP KR US); **C08L 101/00** (2013.01 - KR); **Y10T 428/31507** (2015.04 - EP US)

Citation (search report)
• [A] US 2004099849 A1 20040527 - NEGISHI YOSHINORI [JP], et al
• [A] US 2005282995 A1 20051222 - TOBITA ETSUO [JP], et al
• [A] JP 2005225018 A 20050825 - MITSUBISHI GAS CHEMICAL CO
• [A] JP 2005054032 A 20050303 - MITSUBISHI ENG PLASTICS CORP
• [A] US 6333114 B1 20011225 - TOBITA ETSUO [JP], et al
• [AD] US 2007215845 A1 20070920 - NEGISHI YOSHINORI [JP], et al
• See references of WO 2010095502A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
US 2011272648 A1 20111110; **US 8287778 B2 20121016**; CN 102282206 A 20111214; CN 102282206 B 20131120; EP 2399952 A1 20111228; EP 2399952 A4 20150408; EP 2399952 B1 20171101; JP 2009185291 A 20090820; JP 5411525 B2 20140212; KR 101290534 B1 20130730; KR 20110110772 A 20111007; TW 201035062 A 20101001; TW I471315 B 20150201; WO 2010095502 A1 20100826

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